

DEFROST FLEX

Contact
Heating cables
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DEFROST FLEX

Heating cable for installation inside water pipes. Approved for potable water.

DESCRIPTION

DEFROST FLEX is a series resistant heating cables for installation inside water pipes. It comprises 4 single core resistance wire for heating, out of which one is a pure copper wire, plus a grounding wire. Nominal output is 7-12 W/m, and maximum operating voltage is 500V. For 230V, suitable lengths are between 60 and 170 meters, and for 400V, suitable lengths are between 95 and 295 meters. For other voltages, calculations can be made.

All 4 conductors are connected in one end of the cable, and according to the installed length, the resistance wires are connected to the power supply cable in various patterns.

Only the original end- and termination kit supplied by Nexans (10265444) is approved for the installation of DEFROST FLEX

Technical data

Nominal linear power: From 7 W/m to 12 W/m

Nominal operating voltage: 230V or 400V

Tolerance on conductor resistance: - 5% / +10%

Min.installation temperature: 0 °C

Mechanical class: M2



STANDARDS

International IEC 60800



Rated Voltage Uo/U (Um)
300 / 500 V



Bending factor when laying
5 (xD)



U.V resistance
Yes



Flame retardant
No

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Nexans is indicative only and shall not be binding on Nexans or be treated as constituting a representation on the part of Nexans.

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CHARACTERISTICS

Construction characteristics

Drain wire	Copper
Sheath colour	Black
Outer sheath	PE
Insulation	XLPE
Type of conductor	Solid
Screen	Aluminium-Polyester tape
Number of conductors	4

Dimensional characteristics

Approximate weight	7.3 kg/100m
Nominal outer diameter	7.0 mm

Electrical characteristics


Rated Voltage U ₀ /U (U _m)	300 / 500 V
Maximum operating voltage	500 V

Usage characteristics

Bending factor when laying	5 (xD)
U.V resistance	Yes
Flame retardant	No
Max. temperature energized, outer sheath	65 °C

PRODUCT LIST

Nexans ref.	Country ref.	Name
 10264907 New	1008196	DEFROST FLEX

 = Make to order,  = In stock